

DEZA
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others

Commit-
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sustaina-
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2025 Environmental Status Report

DEZA, a. s. is a producer of basic organic substances intended for further industrial use. Maximum care is devoted to a permanently responsible approach in comprehensive environmental protection, emergency preparedness, operational safety and health protection at work.



RESPONSIBLE CARE™
Driving Safety & Sustainability

COMPANY INTRODUCTION

DEZA, a.s., is a producer of basic aromatic hydrocarbons and other chemical substances with more than 130 years of tradition. It is one of the most important companies in the world in the field of coal tar and crude benzole processing. By constantly renewing and modernizing the production technologies used, the company tries to reduce the impact of chemical production on the environment.

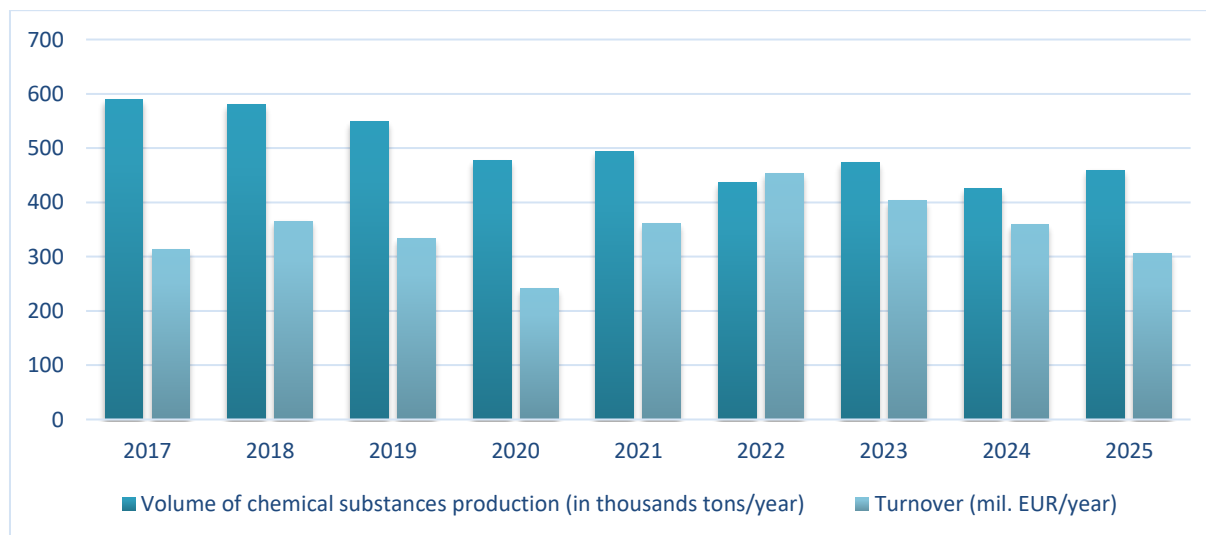
Reducing the impact of production on the environment and public trust are the result of a correctly set management system. The internationally recognized standards ISO 9 001 (QMS), ISO 14 001 (EMS), 45 001 (HSMS) and 50 001 (EnMS) are at DEZA, a.s. certified and regularly reviewed.



The product portfolio is very broad. DEZA, a.s. produces aromatic hydrocarbons – benzene, toluene, a mixture of xylenes, as well as phenolic substances and polyaromatic hydrocarbons such as naphthalene and tar oils. Phthalic anhydride and then esters are produced from naphthalene, and anthraquinone is produced from anthracene.

An important product is coal pitch, which is shipped overseas via the company's seaport cargo terminal in Świnoujście, Poland. Chemical production is carried out at the company's headquarters in Valašské Meziříčí and in the separate Organik operation in Otrokovice. For the subsidiary CS CABOT spol. s r.o., the basic raw material for the production of carbon black is produced.

DEZA, a.s. has a modern approach to the production of energy from conventional and alternative fuels, controlled waste water treatment by physical, chemical and biological processes. A corporate incinerator of industrial waste is used to minimize the production of hazardous waste.



DEZA, a.s. is a long-term participant in the Responsible Business in Chemistry program. It actively supports this worldwide initiative, leading to the achievement of a high level of health and safety protection of employees, general population and the environment. In 2024, the Responsible Care certificate was defended for the tenth time in a row, with the right to use the RC logo until October 2029.



INVESTMENT AND DEVELOPMENT

The accepted commitment to constantly reduce the impacts of the activities and services provided on the environment and people's health is regularly reflected in the investment plan for technical development. In 2025, with environmental protection focus the following projects and plans were completed or supported by investment:

- Optimization of the combustion process and installation of flue gas desulfurization on D1 boiler
- Hermetization of operations of Esters VM in connection with the intensification of this production plant
- Installation of gas furnaces F248.11 a F397.11 with low-emission LowNOx burners
- Replacement of the Allen Bradley process control system with a Honeywell system at the CHVOV
- Replacement of the flue gas stack from the afterburning of waste gases from the ENETEX 3 unit
- Increasing the efficiency of capturing polluted drainage water from the track superstructure

Investments [mil. CZK]	2022	2023	2024	2025
Renewing	169.9	74.3	63.5	27.0
Development	138.0	39.7	66.7	82.7
Ecological	89.1	49.6	130.1	130.0
Total	397.0	163.5	260.3	239.7

In the last 10 years, more than CZK 1.094 billion have been invested in the greening of facilities. In the long term, the share of investments in ecology represents almost 33 % of costs.

Operating expenses related to the greening of the facility reached CZK 379.0 million in 2025. Another CZK 3.9 million was spent on ensuring safety and health protection at work. This included increasing safety when burning CO gas, exhausting machine shops, or installing anchor points to arrest falls on a railway ramp.

AIR PROTECTION

DEZA, a.s. runs more than 60 stationary sources of air pollution, operated in line with binding operating conditions and in accordance with the requirements of the best available techniques (BAT), currently listed in European reference documents (BREF).

By hermetization of production and support operations, efficient processing of waste gases and cleaning flue gas, emission levels are set to the lowest possible achievable level.

The total air emissions in 2025 and in previous years are as follows:

Indicator [t/year]	2022	2023	2024	2025
Sulfur oxides (SO ₂)	1,082.226	1,036.153	918.570	1,046.679
Nitrogen oxides (NO _x)	610.498	587.324	550.108	581.145
Carbon monoxide (CO)	38.084	40.040	35.496	33.389
Carbon dioxide (CO ₂)	269,528	266,181	247,263	244.101
Particulate matter pollutants (PM)	13.387	14.571	15.655	18.839
Volatile organic compounds (VOC)	10.385	13.138	11.737	13.130
VOC emissions on production output [%]	0.0024	0.0028	0.0028	0.0029

The emission level is periodically verified by one-time measurements carried out by accredited laboratories. Continuous emission monitoring systems are applied at significant sources. The costs of verifying the level of emissions in 2025 reached the amount of CZK 1.802 million.

Since 2005, DEZA, a.s. has been included in the European system of trading greenhouse gas emission allowances. For the year 2024, CO₂ emissions included under the EU ETS reached the level of 218,779 tons.



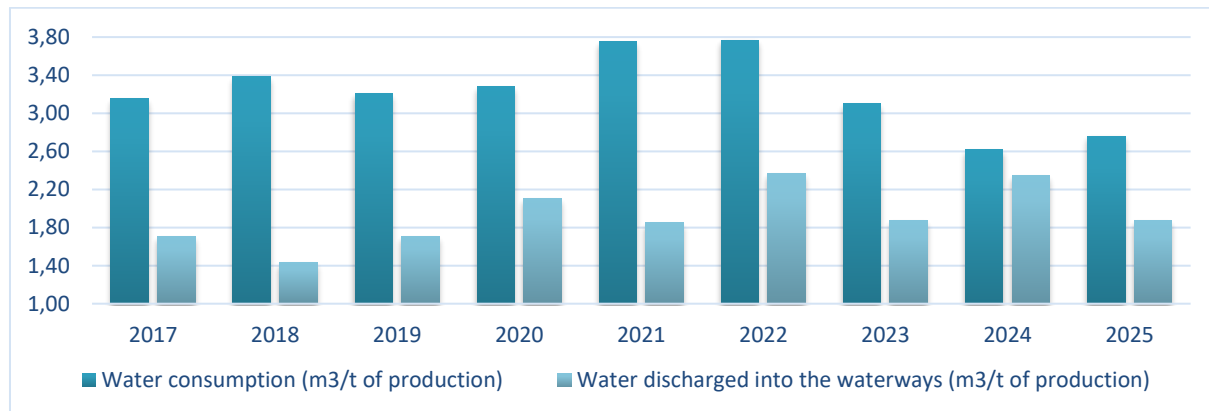
In connection with the plan for the denitrification of the industrial waste incinerator and the expansion of the hermetic system by the Esters VM production plant, a further reduction in the level of nitrogen oxides and volatile organic substances is expected. We are aware of the impact of our operations on the environment. In 2025, pitch furnaces F278.1 and F397.1 with low-emission burners were put into operation, and flue gas desulfurization using Neutrec® technology was put into operation on boiler D1, designed to burn alternative fuels originating from the chemical production operations. Our goal is to further reduce SO₂ emissions by more than 50%, dust particles by more than 70% by 2032, compared to the situation in 2022, and in accordance with the Green Deal, to reduce CO₂ emissions by 55% by 2030.

WATER PROTECTION

The priority for DEZA, a.s. in the field of water protection is to minimize the impact of technological wastewater from operations on the quality of water discharged into the Bečva river. For this purpose, a multi-stage chemical and biological treatment of industrial wastewater is operated. It meets the requirements of the best available technique for discharged water from the chemical industry (BAT CWW). The biological stage of wastewater treatment includes upstream pressure flotation, cascade activation and a tertiary stage of water treatment.



The gradual introduction of techniques to reduce the level of emissions often leads to the increasing consumption of resources, especially feed water for the production of heat and service water, forced by the adopted environmental measures. In 2025, volume 622,088 m³ of rainwater was captured and reused for the production of utility water.



Groundwater monitoring is carried out regularly and long-term. The area in Valašské Meziříčí operates a hydraulic barrier consisting of 11 active wells, 5 internal line wells and 13 monitoring wells, the purpose of which is to prevent groundwater contamination outside the production area.

Total emissions to surface water in 2024 and in previous years are shown in the following table:

Indicator [t/year]	2022	2023	2024	2025
Chemical oxygen demand (COD)	14.602	17.048	27.476	27.335
Phosphorus compounds (total P)	0.177	0.110	0.206	0.296
Nitrogen compounds (N inorg.)	1.402	3.293	1.596	0.853
Dissolved inorganic salts	673.6	633.1	798.3	849.8
Suspended solids	3.528	2.877	2.667	3.231

For the discharge of waste water into surface waters, established by the binding condition of operation, emission limits are set in accordance with the requirement for a good condition of the water course.

INDUSTRIAL WASTE

Production operation steps logically follow each other in such a way that by-products and generally less applicable products are utilized elsewhere as a valuable raw material source for chemical production, and in the final phase are energetically evaluated as an alternative fuel. To minimize the production of emerging hazardous waste, an industrial waste incinerator with heat utilization, simultaneously operated as the best available technique (BAT WI), is applied. Problematic waste from the region is also accepted for heat treatment at the incinerator. Waste and by-products that cannot be burned, that can be materially processed or that can be better used elsewhere are handed over to specialized companies.



The long-term goal of DEZA, a.s. is to minimize waste production with the permanent intention of reusing it. The total waste production has long-term oscillated around the level of 2.45 %, related to the unit production of the relevant production and is shown in the following table:

Indicator [t/year]		2022	2023	2024	2025
Production	hazardous waste	6,546	5,752	8,007	6,538
	other waste	8,189	2,802	2,655	2,439
	removed in an incinerator	6,671	5,381	7,293	9,443
	total production	14,736	8,555	10,662	8,978
	per unit of relevant production [%]	2.69	1.81	2.50	1.95

In 2025, volume 2,534.9 tons of waste were transferred to external waste management facilities, of which 23.9 % were materially usable and only 5.2 % of the waste was considered hazardous.

A circular economy approach is applied with the aim of maximizing the value of resources. The efficiency of sorting and material utilization of separated components of municipal and similar waste reached 36.2% in 2025, thus meeting the separation target by more than the required 5%.

CHEMICAL LEGISLATION

The increasing pressure of environmental measures within the framework of the European Green Deal is reflected in the chemical legislation in the adoption of the Chemical Strategy for Sustainability (CSS). It can be assumed that the review of the REACH Regulation and the CLP Regulation initiated by the European Commission will cause further impacts on the chemical industry. An internal working group was therefore established to deal with the impacts and identification of measures resulting from the Green Agreement.

DEZA, a.s. is an active member of sectoral groups within CEFIC (European Chemical Industry Council), which unites joint effort to monitor events surrounding individual chemicals and restrictions proposed by the European Commission, EU Member States or various non-governmental organizations. DEZA, a.s. is also a member of consortia that deal with the issue of Regulation 1907/2006 (REACH).

Currently, the biggest challenge is the need to update the registration documentation of substances and conduct toxicological and ecotoxicological tests, which are required by the European Chemicals Agency (ECHA) for selected substances. In 2025, the costs for conducting these tests amounted to CZK 1.984 million.

ENERGY CONSUMPTION

Energy consumption in recent years is shown in the following overview:

Energy [GJ/year]	2022	2023	2024	2025
Heat energy consumption	1,692,110	1,622,358	1,465,340	1,746,819
Purchase of electricity	86,343	100,489	102,387	116,555
Production of electricity	156,730	143,658	124,056	108,825
Total energy consumption	1,778,453	1,722,847	1,567,727	1,628,362

Local companies, and indirectly also households, are connected to the company's central heat supply system. In 2025, a total of 235 TJ of heat was transferred to external customers, which is about 13.5 % of the total production. Surplus heat and unused heat is used to produce electricity. The source of heat is chemical production, but also commercial fuels and alternative fuels from chemical production, as well as high-calorific waste or end waste gases.



Excess and unused heat is used to generate electricity. More than 48% of electricity consumption in 2025 also came from own production. 62% of electricity supplied from the public distribution network was represented by carbon-free energy.

The heating plant operates flue gas denitrification using the SNCR technique, a semi-dry method of desulfurization and dust removal of flue gas on a sleeve filter.

These environmental measures, assessed as Best Available Techniques (BAT LCP), have contributed to complying with the stricter emission limits, valid from 2021, and at the same time lead to a reduction in the environmental impact of heat production.

The implementation of the ENERGIS energy information system, as well as the introduction of the certified energy management system in accordance with the standard ČSN EN ISO 50 001 and the setting of action goals lead to a gradual reduction of the energy intensity of the activities being carried out, which have shown a downward trend in recent years.

SOCIALLY BENEFICIAL ACTIVITIES

In the development of social relations of DEZA, a.s. we respect information openness. We inform the public about our influence and comprehensive environmental protection. Investment plans are discussed in a timely manner with the professional public and public authorities. DEZA, a.s. is an important employer in the region. We offer our employees a number of above-standard benefits and create safe working conditions and the assurance of a good employer. We inform about the happenings in the company in the periodical Valašský chemik.



Sponsorship activities are primarily focused on selected interest groups (sports education of youth, cultural and charitable projects, landscape biodiversity) to promote and explain the role of the chemical industry in our everyday life, including in building a developed economy. In 2025, we supported selected applications and spent funds in the amount of CZK 2.051 milion. We cooperate with vocational high schools in the region and support students in the study of these fields.

WORK SAFETY AND HEALTH PROTECTION

Work and health safety are ensured on the basis of system management through continuous education and training of employees in this area. The most common cause of work-related injuries was falls, especially from ladders, flat surfaces and stairs. In most cases, these were less serious injuries with shorter healing times.

In 2025, 11 workplace accidents with subsequent work absence and 31 minor injuries were recorded.

Occupational accidents of employees	2022	2023	2024	2025
Number of occupational accidents	9	16	11	11
Accident frequency ¹⁾	5.8	10.8	7.9	8.6
Frequency of accidents ²⁾	0.90	1.69	1.24	1.34

Notes: ¹⁾ number of accidents per million hours worked; ²⁾ number of accidents per 100 employees

Occupational hygiene is ensured by the monitoring of work tools and the measurement of the concentration of harmful substances in the working environment, carried out by our own accredited

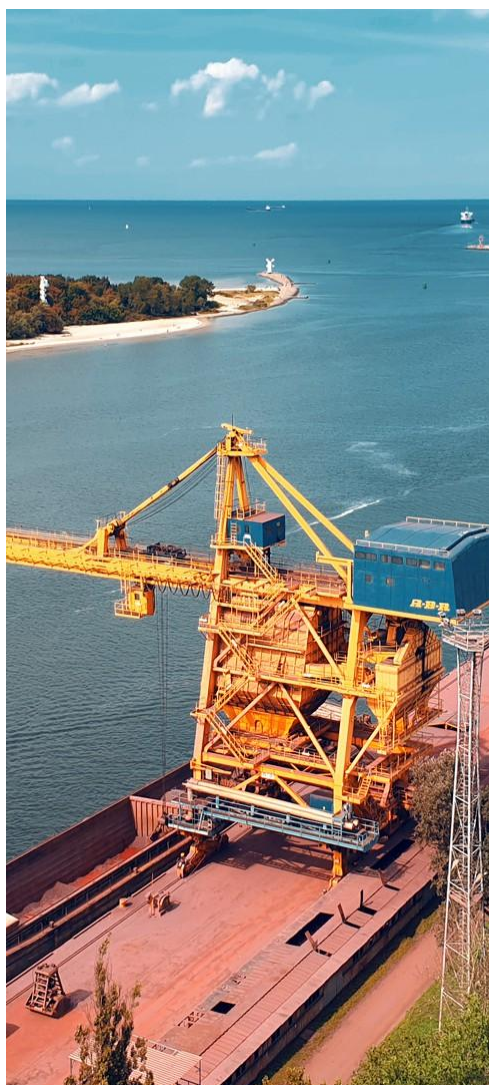
analytical laboratory. The results found are the basis for the categorization of works and are reflected in the plan of corrective measures.

PREVENTION AND OPERATIONAL SAFETY

With regard to the amount and risk of stored chemicals, DEZA, a.s. belongs to business that are subject to increased requirements for the prevention of serious accidents. Active and passive elements of preventive protection are therefore applied in the technology, which enable the timely detection of non-standard conditions and the appropriate implementation of adequate measures preventing the rise of an emergency situation. At the same time, chemical operations meet the requirements of the best available techniques (BAT LVOC).

Regular emergency preparedness drills take place every year, usually with the participation of the company's fire brigade, which also participates in the voluntary TRINS system. In this way, the public is offered continuous assistance in dealing with extraordinary situations connected with the transport, loading or storage of hazardous substances in the territory of the Czech Republic.

IDENTIFICATION DATA



Business name: **DEZA, a.s.**



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INTEGRATED MANAGEMENT SYSTEMS AND CERTIFICATES



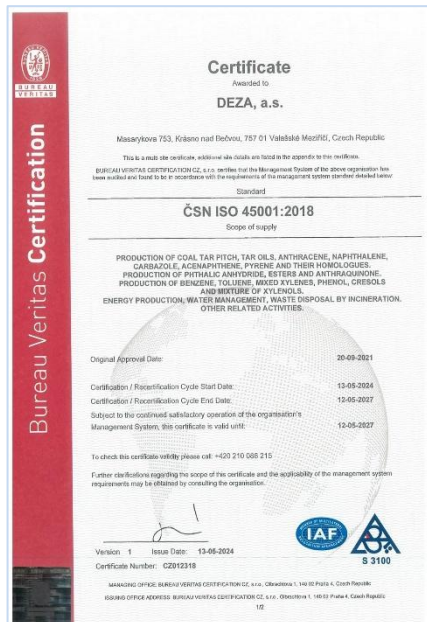
Responsible Care (RC)
since 1994



ČSN EN ISO 9001 (QMS)
since 1996



ČSN EN ISO 14001 (EMS)
since 2012



ČSN ISO 45 001 (HSMS)
since 2021



ČSN ISO 50 001 (EnMS)
since 2024

